

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 1. (Currently Amended) An apparatus, comprising:
2 a microphone;
3 a codifier coupled to the microphone;
4 a central processing unit coupled to the codifier to
5 control the codifier to convert an analog signal sensed by the
6 microphone into a [first] digital signal;
7 at least one alert generator coupled to the central
8 processing unit for generation of the at least one alert
9 signal;
10 a memory coupled to the central processing unit for
11 storage of [the] an at least one predetermined value; [and]
12 a programmable storage device readable by the
13 central processing unit, the programmable storage device
14 tangibly embodying a program of instructions executable by the
15 central processing unit, wherein the program of instructions
16 and the at least one predetermined value define an alert
17 sequence definition[.];
18 the central processing unit responsive to the
19 digital signal and the alert sequence definition [such that
20 the central processing unit will determine] to select an alert
21 signal [such that the central processing unit generates] by
22 generating at least one control signal for the at least one
23 alert generator [to generate the alert signal];
24 a transceiver coupled to the central processing unit
25 to communicate with an external device;

26 a decoder coupled to the central processing unit;
27 a speaker mounted in the housing, the speaker
28 coupled to the decoder;
29 the central processing unit responsive to a
30 transmitted signal of the external device received by the
31 transceiver wherein the central processing unit generates a
32 control signal for the speaker to generate a first analog
33 signal and the central processing unit generates a control
34 signal for the codifier to convert the reflected first analog
35 signal sensed by the microphone into a first digital signal,
36 wherein, when the apparatus is placed in a container, the
37 first analog signal is reflected back toward the apparatus and
38 the codifier will convert the reflected first analog signal
39 into the first digital signal at a predetermined delayed
40 interval; and
41 the central processing unit responsive to the first
42 digital signal to determine the strength of the reflected
43 first analog signal wherein the strength is compared with at
44 least one of the at least one predetermined thresholds stored
45 in memory to determine an optimum alert signal.

1 2. (Canceled)

1 3. (Canceled)

1 4. (Currently Amended) An apparatus as recited in claim
2 1 [3], wherein the at least one alert generator includes:
3 a display mounted in the housing and coupled to the
4 central processing unit, the display having at least one
5 feature for generation of a visual alert signal.

1 5. (Currently Amended) An apparatus as recited in claim
2 1 [3], wherein the at least one alert generator includes:

3 an audio alert generator coupled between the central
4 processing unit and the speaker for generation of an audible
5 alert signal.

1 6. (Currently Amended) An apparatus as recited in claim
2 5, wherein the central processing unit responsive to the alert
3 sequence definition, adjusts the type of the audible alert
4 signal.

1 7. (Currently Amended) An apparatus as recited in claim
2 5, wherein the central processing unit responsive to the alert
3 sequence definition, adjusts the volume of the audible alert
4 signal.

1 8. (Currently Amended) An apparatus as recited in claim
2 5, wherein the central processing unit responsive to the alert
3 sequence definition, adjusts the frequency of the audible
4 alert signal.

1 9. (Previously presented) An apparatus as recited in
2 claim 5, wherein the central processing unit responsive to the
3 alert sequence definition, adjusts the interval of time for
4 silence between a first and a second audible alert signal.

1 10. (Previously presented) An apparatus as recited in
2 claim 1, wherein the at least one alert generator includes:
3 a tactile alert generator coupled to the central
4 processing unit for generation of a tactile alert signal.

1 11. (Previously presented) An apparatus as recited in
2 claim 1, further comprising:
3 at least one manually actuated user input coupled to
4 the central processing unit;

5 wherein the programmable storage device responsive
6 to the at least one manually actuated user input to alter the
7 last alert signal generated.

1 12. (Previously presented) An apparatus as recited in
2 claim 1, further comprising:

3 at least one manually actuated user input coupled to
4 the central processing unit;

5 wherein the programmable storage device responsive
6 to the at least one manually actuated user input to alter the
7 alert sequence definition.

1 13. (Currently Amended) An apparatus as recited in claim
2 1 [3], further comprising a housing wherein the microphone,
3 the speaker, the transceiver, and the at least one manually
4 actuated user input are mounted in the housing.

1 14. (Previously presented) An apparatus as recited in
2 claim 1, wherein one of the at least one predetermined value
3 includes at least one high frequency noise range.

1 15. (Previously presented) An apparatus as recited in
2 claim 1, wherein one of the at least one predetermined value
3 includes at least one low frequency noise range.

1 16. (currently amended) An apparatus as recited in claim
2 1, wherein the program of instructions includes speech
3 recognition processing instructions.

1 17. (Previously presented) An apparatus as recited in
2 claim 1, wherein the program of instructions includes neuron
3 network processing instructions.

1 18. (Previously presented) An apparatus as recited in
2 claim 1, further comprising a radio link transceiver coupled
3 to the central processing unit, the radio link transceiver
4 positioned in the housing to communicate with a base station,
5 wherein a transmitted signal from the base station, the
6 predetermined values, and the program of instructions define
7 the alert sequence definition.

1 19. (Previously presented) An apparatus as recited in
2 claim 18, wherein the radio link transceiver uses a short-
3 range, cable replacement, radio technology such as
4 Bluetooth™.

1 20. (Previously presented) An apparatus as recited in
2 claim 1, further comprising a light sensor coupled to the
3 central processing unit to sense light external to the
4 portable wireless communication device, wherein the sensed
5 light, the predetermined values, and the program of
6 instructions define the alert sequence definition.

1 21. (Previously presented) An apparatus as recited in
2 claim 1, further comprising a motion sensor coupled to the
3 central processing unit to sense motion exerted on the
4 portable wireless communication device, wherein the sensed
5 motion, the predetermined values, and the program of
6 instructions define the alert sequence definition.

1 22. (Previously presented) An apparatus as recited in
2 claim 1, further comprising a temperature sensor coupled to
3 the central processing unit to sense temperature external to
4 the portable wireless communication device, wherein the sensed
5 temperature, the predetermined values, and the program of
6 instructions define the alert sequence definition.

1 23. (Previously presented) An apparatus as recited in
2 claim 1 wherein, the predetermined values includes a
3 temperature, motion, high frequency noise, and low frequency
4 noise range.

1 24. (Currently Amended) A method of generating an optimum
2 alerting sequence for a wireless communication device having a
3 central processing unit, a codifier, a memory, a programmable
4 storage device tangibly embodying a program of instructions,
5 plurality of alert generators, comprising the steps of:

6 detecting, by the central processing unit, an
7 incoming call;

8 generating a first analog signal by a speaker,
9 wherein when the apparatus is in a container, having an
10 interior surface, the first analog signal will be reflected
11 off of the interior surface of the container;

12 sending a control signal to the codifier coupled to
13 a microphone to receive the reflected first analog signal
14 sensed at the microphone;

15 converting the reflected first analog signal to a
16 first digital signal;

17 retrieving a predetermined set of values and
18 coefficients from memory;

19 determining the strength of the reflected first
20 analog signal by the central processing unit responsive to the
21 first digital signal such that the strength is compared with
22 at least one predetermined threshold stored in a memory as
23 input to determine an optimum alert signal;

24 processing the first digital signal by the central
25 processing unit to determine an optimum alerting sequence
26 using a predetermine set of values, coefficients, and the

27 first digital signal as inputs for the program of instructions
28 tangibly embodied in the programmable storage device; and
29 generating an alert signal based upon the output of
30 the program of instructions.

1 25. (Previously presented) A method as recited in claim
2 24, wherein the program of instructions includes speech
3 recognition processing instructions to process a speech
4 pattern recognized in the digital signal as input to determine
5 the optimum alert sequence.

1 26. (Previously presented) A method as recited in claim
2 24, wherein the program of instructions includes neuron
3 network processing instructions to determine the optimum alert
4 sequence.